Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/24/2018 12:21 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124937	-1	1.30	124832	1.24
Blue	F	SSC	125000	123867	-1	2.72	124330	2.54
Blue	E	FITC	23615	22757	-4	2.51	1011	10.86
Blue	D	PE	26739	26376	-2	2.02	947	10.53
Blue	B	PerCP-Cy5-5	48339	47601	-2	3.39	1367	17.95
Blue	A	PE-Cy7	45021	44724	-1	5.20	685	37.97
Red	C	APC	53064	51743	-3	2.72	2977	9.59
Red	A	APC-Cy7	57175	56214	-2	2.70	1165	11.58
Violet	B	V450	14728	14135	-5	5.51	676	9.87
Violet	A	V500	58621	56469	-4	5.41	2492	7.41

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19791	2.52	617	3	N/A	N/A	Pass
Blue	F	SSC	61335	1.54	564	18	N/A	N/A	Pass
Blue	E	FITC	115	39.65	553	5	0.0183	119	Pass
Blue	D	PE	208	31.57	544	8	0.1416	274	Pass
Blue	B	PerCP-Cy5-5	211	48.16	644	9	0.0088	92	Pass
Blue	A	PE-Cy7	71	134.27	702	9	0.0105	21	Pass
Red	C	APC	339	28.53	599	2	0.0196	67	Pass
Red	A	APC-Cy7	128	41.78	583	3	0.0051	1586	Pass
Violet	B	V450	82	44.82	468	-2	0.0480	2392	Pass
Violet	A	V500	182	24.19	494	-3	0.0156	907	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-31.73	-31.23	0.96
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.35
Red	18.24	14.40 - 21.60	N/A	N/A	30.86	31.33	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9749

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments